

# Impact-R 2080



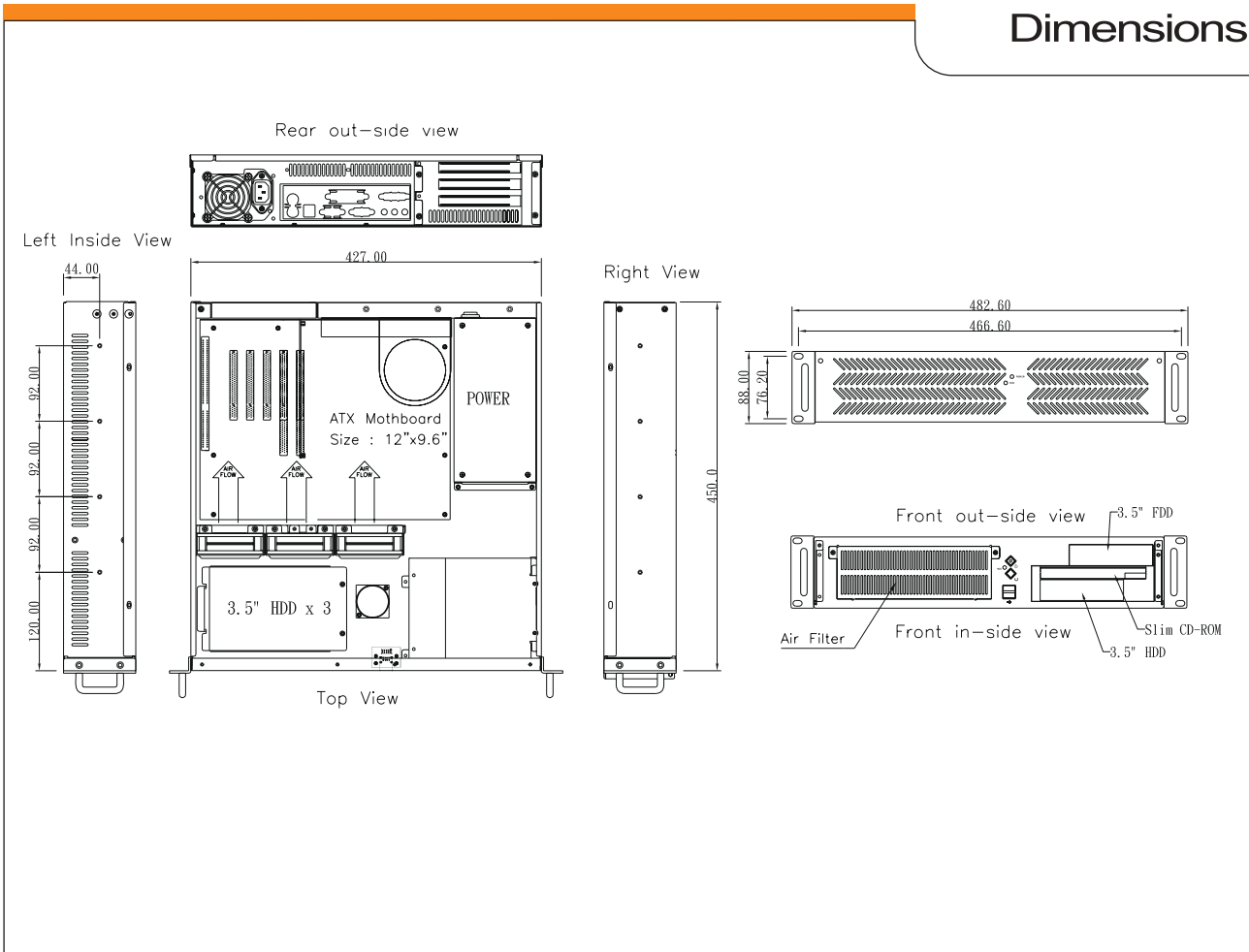
## Features

The Impact-R 2080 series computers are powered by Intel® based motherboards, delivering a compact and flexible computer platform.

- Intel® Coffee lake CPU architecture
- DDR4 Memory up to 64GB
- Supports 3 native displays

Our production processes are controlled under ISO 9001 and every system undergoes a full diagnostic burn-in prior to shipment.

## Dimensions



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## Impact-R 2080

## Specifications

The information is believed to be accurate. However Amplicon Liveline Limited accepts no responsibility for any problems caused by errors and omissions. Specifications are subject to change without notice.

Hardware Specification	<p>CPU: Intel® LGA1151 8th Generation                  Chipset: Intel® Q 370                  Memory: 4 x DIMM (max 64GB DDR4 2666MHz non-ECC Dual channel architecture)                  Graphics: Integrated GPU:                  DP - max 4096*2160 @ 24Hz                  DVI-D - max 1920*1200 @ 60Hz                  VGA - max 1920*1200 @ 60Hz                  LAN: Dual Intel® GbE (i219LM/i211AT)</p>	Mechanical	<p>Design: EIA RS-310C 19" Rackmount Standard                  Construction: Heavy Duty Cold Rolled Electroplated Steel                  Color: Black (custom colours available for large orders)                  Dimensions: 483(W) x 88(H) x 450(D)mm (19.0" x 3.5" x 17.7")                  Packaging Size: 615(W) x 224(H) x 600(D)mm (24.2" x 8.8" x 23.6")                  Total drive capacity:                  1 x Slim 5.25" external, 1 x 3.5" external, 4 x 3.5" internal or                  1 x 5.25" external, 1 x 3.5" external, 3 x 3.5" internal                  Cooling: 3 x 80mm ball bearing fans (42.5 CFM each)                  Air filter: removeable (washable)                  Gross Weight: approximately 17 kg</p>
BIOS	Insyde SPI 256Mbit	Environmental operation	<p>Acoustic noise: Approximately 49dB(A) sound pressure at 23°C (typical)                  Temperature: 5 to 60°C (tested for extended operation up to 50°C)                  Humidity: 5 to 90% at 25°C non-condensing</p>
Storage	<p>Total Drive capacity:                  4 x 3.5" HDD &amp; 1 x 5.25" bay, or 5 x 3.5" HDD &amp; 1 x Slim DVD                  RAID: 0, 1, 5, 10                  *Options for mSATA available and M.2</p>	Environmental storage	<p>Temperature: -20 to 70°C                  Humidity: 5 to 90% at 25°C non-condensing</p>
System Expansion (low profile)	<p>1 x PCIe x16 (Gen 3)                  1 x PCIe x4 (Gen 3)                  5 x PCI                  1 x mPCIe (support mSATA)                  1 x M.2 M key (PCIe x4) (support Optane Memory)</p>	Electromagnetic Compatibility (EMC)	<p>EN55032 Class A                  EN55024                  Electrostatic discharge immunity test (EN61000-4-2)</p>
System Architecture	ATX		<p>Enclosure port                  ±4kV Contact, applied to enclosure port                  ±8kV Air, applied to enclosure port</p>
Supported O/S	Microsoft Windows 10 64-bit		<p>Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)</p>
LED's and Switches	<p>Power (PC on) LED                  Hard Disk Drive access LED                  ATX system control switch                  System reset switch</p>		<p>Enclosure port                  80-1000MHz, 10 V/m (RMS, no modulation) 80% Modulation with 1kHz Sine wave</p>
External Interfaces	<p>Front:                  2 x USB 2.0/1.1                  On/Off Switch, Reset Pwr/HDD LEDs                  Rear:                  2 x GbE (RJ-45)                  4 x USB 3.1 (Gen1)                  2 x USB 2.0                  1 RS-232/422/485 (RS-232 w/power) (DB-9)                  1 x PS/2 (mini-DIN-6)                  1 x VGA 1 x DVI-I (DVI-D signal) 1 x DP++                  1 x Line-out, 1 x Mic-in</p>		<p>Electrical fast transient/burst immunity test (EN61000-4-4)                  Power port AC, inc. protective earth                  Severity ±0.5kV</p>
Optional Breakout Interfaces (Will use 1 slot per breakout)	<p>5 x DB9 (1 x RS232/422/485, 4 x RS232)                  1 x Dual USB 3.1 (Gen 2)</p>		<p>Surge Immunity test (EN61000-4-5)                  Power port                  Severity ±0.5kV applied line to earth</p>
iAMT	Rev: 12.0		<p>Immunity to conducted disturbances induced by radiofrequency fields (EN61000-4-6)</p>
		<p>Power port inc. protective earth via CDN M3                  0.15-80MHz, 10 V/m (no modulation) 80% Modulation with 1kHz Sine wave, applied via CDN</p>	
		<p>Amplicon own a fully equipped EMC facility and can provide many additional tests to meet your requirements.</p>	

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